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Contents
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Papers

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- Becker, Dr. A.: The Occurrence of Wheat Earcockle in the Eifel. P. 53—58.
- Ext, Dr.: Supplement to the paper by Dr. M. Hanf "The present extent of plant protection measures", published in the "Höfchen-Briefe" No. 1, 1953. P. 59.
- Fjelddalen, A. J.: Systemic Preparations against Pests Occurring on Fruit Trees, Berries and Ornamental Plants. P. 1—27.
- Gersdorf, Dr. E.: Is there any relation between the Existence of the Winter Hosts of Virus-Transmitting Aphids and the Occurrence of the Viruses Carried by the Apids? P. 191—216.
- Goossen, Dr. H., and Eue, Dr. L.: Distribution, Resistance to Rain and Translocation of Spray and Mist Deposits in Potato Stands. P. 65—84.
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- Krüger, Dipl.-Landwirt: Application of "Bulpur" on Onions, 1954. P. 110—112.
- Przygodda, Dr. W.: Experiments on House Sparrows (*Passer domesticus*) with Two Repellents, "Morkit" and "Morkit" conc. (VO 4279). P. 251—258.
- Puttarudriah, Dr. M., and Appanna, M.: Paddy (Rice) Stem Borer (*Schoenobius incertellus* WLK) and "Folidol E 605". P. 169—176.
- Rönnebeck, Dr. W.: Relations Existing between Infestation by Virus Vectors and Virus Propagation in Potato Fields. P. 217—224.
- Rump, Dr. L.: Control of Yellows in Rheinland-Pfalz in 1953. P. 100—109.

- Rump, Dr. L.: Control of White Grubs in Standing Cultures. P. 240—250.
- Swart-Füchtbauer, Dr. H.: The Influence of "Systox" upon Micro-organisms. P. 28—34.
- Swart-Füchtbauer, Dr. H.: Observations on the Inactivation of "Systox" in Crassulaceae. P. 260—264.
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- Wäckers, Dr. R. W.: Phytophysiological Effect of the Systemic Insecticide "Systox" (Diethyl thionophosphoric ester of β -oxyethyl thioethyl ether). P. 266—324.
- Wahlin, B.: Bees and Systemic Insecticides. P. 258—260.

Book Review:

- Schimitschek, Prof. Dr. E.: The determination of insect damage in forest from the injuries caused and the pest. P. 167—168.
Referent: Dr. G. Unterstenhöfer.

List of Literature:

Literature published on "Systox". P. 59—64.

Special Edition:

- Soenen, Dr. A.: Dictionary of important diseases and pests occurring in agriculture and horticulture.
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